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This listing of claims replaces all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

- 1. (Canceled)
- 2. (Currently Amended) A magazine-based data cartridge library comprising: a frame; a shelf system, operatively attached to said frame, for supporting at least two data cartridge magazines and comprising at least one shelf; a cartridge transport device, operatively attached to said frame, for moving a data cartridge between one of said data cartridge magazines and a drive; a magazine transport device, operatively attached to said frame, for moving one of said data cartridge magazines; and a drive bay assembly for holding said drive A magazine-based data cartridge library, as claimed in claim 1, wherein: said drive bay assembly further comprising comprises: a housing structure that defines a first open side which is exposed to said cartridge transport device, a second open side which is exposed to a space that is operator accessible, and a passageway extending between said first and second open sides; a housing plug that is attached to said housing and faces said second open side; and a sled for holding a said drive that has a front side with a receptacle for receiving a said data cartridge and a back side with a plug interface for receiving electrical signals; said sled comprising: a sled frame that extends from a first end to a second end and is capable of holding a said drive such that the receptacle of a said drive is adjacent to said first end and the plug interface of the drive is adjacent to said second end; and electrical connection means for establishing an electrical connection between the plug interface of a said drive and a sled plug that faces toward said first end of said sled and is capable of mating with said housing plug; wherein when said sled is positioned in said passageway such that said first end of said frame is adjacent to said first open side and said second end of said frame is adjacent to said second open side, said housing plug faces said sled plug.
- 3. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim 2, wherein: said housing comprising a mounting flange for interfacing with a mounting structure.

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4. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim 2, further comprising: a door assembly that is attached to said housing and moveable between a

further comprising: a door assembly that is attached to said housing and moveable between a

closed position that blocks said passageway when said sled is not positioned in said

passageway and an open position when said sled is positioned in said passageway.

5. (Currently Amended)—A The magazine-based data cartridge library, as claimed in claim 2,

wherein: said sled frame comprising a casing that defines an interior space for

accommodating a said drive and an opening for exposing the receptacle of a said drive when

a said drive is located in said interior space.

6. (Currently Amended)-A The magazine-based data cartridge library, as claimed in claim 5,

wherein: said electrical connection means comprises a device plug, located within said

interior space defined by said casing, for mating with the plug interface of a said drive.

7. (Currently Amended)-A The magazine-based data cartridge library, as claimed in claim 5,

wherein: said sled comprises a fan for moving air from said interior space of said casing to an

environment that is exterior to said casing.

8. (Currently Amended)-A The magazine-based data cartridge library, as claimed in claim 2,

wherein: said sled being able to hold two, half-height drives.

9. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim 2,

wherein: said drive bay assembly comprising: a first guide structure associated with said

housing; and a second guide structure associated with said sled; wherein said first and second

guides structures cooperate during insertion of said sled into said passageway through said

second open side of said housing to orient said frame such that said first end of said frame is

adjacent to said first open side of said housing, said second end of said frame is adjacent to

said second open side of said housing, and said sled plug is substantially aligned with said

housing plug.

10. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim 2,

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wherein: said electrical connection means comprises a first plug and a second plug.

11. (Currently Amended)-A The magazine-based data cartridge library, as claimed in claim

10, wherein: said first plug for conveying a power signal and said second plug for conveying

data that is to be written on a medium located in a said data cartridge and/or data that has

been read from a said medium located in a said data cartridge.

12. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim

10, wherein: said first plug for conveying data that is to be written on to or read from a first

recording medium located in a first data cartridge and/or data that has been read from a

recording medium located in a data cartridge by a first half-height, drive; and said second

plug for conveying data that is to be written on to or read from a second recording medium

located in a second data cartridge and/or data that has been read from a recording medium

located in a data cartridge by a second half-height, drive.

13. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim

12, wherein: said electrical connection means comprising a third plug means for conveying

power signals to said two, half-height, drives.

14. (Currently Amended)-A The magazine-based data cartridge library, as claimed in claim 2,

wherein: said sled frame comprising mounting means for use in attaching a said drive to said

sled.

15. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim

14, wherein: said mounting means comprising means for use in attaching two, half-height

drive devices to said sled.

16. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim

14, wherein: said mounting means capable of accommodating a first drive with a first

mounting interface or a second drive with a second mounting interface that is different than

said first mounting interface.

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17. (Currently Amended)-A The magazine-based data cartridge library, as claimed in claim 2,

wherein: said sled comprising a handle for facilitating insertion and removal of said sled from

said passageway of said housing by an said operator.

18. (Currently Amended) A magazine-based data cartridge library comprising: a frame; a shelf system,

operatively attached to said frame, for supporting at least two data cartridge magazines and comprising at

least one shelf; a cartridge transport device, operatively attached to said frame, for moving a data cartridge

between one of said data cartridge magazines and a drive; a magazine transport device, operatively

attached to said frame, for moving one of said data cartridge magazines; and a drive bay assembly for

holding said drive A magazine based data cartridge library, as claimed in claim 1, wherein: said drive bay

assembly <u>further comprising comprises</u>: a housing structure that defines a first open side which is exposed

to said cartridge transport device, a second open side which is exposed to a space that is operator

accessible, and a plurality of drive bays, each extending between said first and second open sides; a

plurality of housing plugs that are each attached to said housing and face said second open side; wherein

one of said plurality of plugs is associated with each of said plurality of drive bays; a plurality of sleds,

each capable of holding a said drive that has a front side with a receptacle for receiving a said data

cartridge and a back side with a plug interface for receiving electrical signals; wherein each of said

plurality of sleds comprising an electrical connection means for establishing an electrical connection

between the plug interface of a said drive and a sled plug that is capable of mating with one of said

plurality of housing plugs.

19. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim

18, wherein: said drive bay assembly comprising a processor, attached to said housing, for

distributing electrical signals to each of said plurality of housing plugs.

20. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim

19, wherein: said housing comprising a processor bay for holding said processor and having

an opening that is exposed to a said space that is operator accessible.

21. (Currently Amended) A The magazine-based data cartridge library, as claimed in claim

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20, wherein: said processor comprising a handle for facilitating insertion/removal of a portion of said processor through said opening.

22. (New) A magazine-based data cartridge library comprising: a frame; a shelf system, operatively attached to said frame, for supporting at least two data cartridge magazines; a cartridge transport device, operatively attached to said frame, for moving a data cartridge between one of said data cartridge magazines and a drive; a magazine transport device, operatively attached to said frame, for moving one of said data cartridge magazines; and a drive bay assembly for accommodating said drive, said drive bay assembly comprising a first open side exposed to said cartridge transport device, a second open side exposed to a space that is operator accessible and a passageway extending between said first and second open sides.